



OIEP

RAW SEQUENCE LISTING

DATE: 04/08/2002

PATENT APPLICATION: US/10/002,292A

TIME: 15:15:39

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\04082002\J002292A.raw

ENTERED

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3 <110> APPLICANT: Ward, Brian
4      Snyder, Leanne
5      Li, Chuan
6      Song, Keming
7      Oppen, Kristen
8      Uder, Stephanie
9      Hernan, Ron
11 <120> TITLE OF INVENTION: RECOMBINANT DNA PROCESSES USING A dNTP MIXTURE CONTAINING
MODIFIED
12      NUCLEOTIDES
14 <130> FILE REFERENCE: SGM 6938.1
16 <140> CURRENT APPLICATION NUMBER: US 10/002,292A
C--> 17 <141> CURRENT FILING DATE: 2002-03-25
19 <150> PRIOR APPLICATION NUMBER: US 60/325,612
20 <151> PRIOR FILING DATE: 2001-09-28
22 <160> NUMBER OF SEQ ID NOS: 14
24 <170> SOFTWARE: PatentIn version 3.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 28
28 <212> TYPE: DNA
29 <213> ORGANISM: Lambda phage
31 <220> FEATURE:
32 <221> NAME/KEY: misc_feature
33 <222> LOCATION: (1)..(28)
34 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
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38 gatcgatgag ttctgtgccg tacaactg
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 28
43 <212> TYPE: DNA
44 <213> ORGANISM: Lambda phage
45 <220> FEATURE:
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48 <222> LOCATION: (1)..(28)
49 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
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53 ctagggttat cgaaatcagc cacagcgc
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59 <213> ORGANISM: Lambda phage
61 <220> FEATURE:
62 <221> NAME/KEY: misc_feature
63 <222> LOCATION: (1)..(35)

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64 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
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72 <211> LENGTH: 35
73 <212> TYPE: DNA
74 <213> ORGANISM: Lambda phage
76 <220> FEATURE:
77 <221> NAME/KEY: misc_feature
78 <222> LOCATION: (1)..(35)
79 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
82 <400> SEQUENCE: 4
83 ggaacgtctag aggttatcga aatcagccac agcgc
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 23
88 <212> TYPE: DNA
89 <213> ORGANISM: Lambda phage
91 <220> FEATURE:
92 <221> NAME/KEY: misc_feature
93 <222> LOCATION: (1)..(23)
94 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
97 <400> SEQUENCE: 5
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101 <210> SEQ ID NO: 6
102 <211> LENGTH: 23
103 <212> TYPE: DNA
104 <213> ORGANISM: Lambda phage
106 <220> FEATURE:
107 <221> NAME/KEY: misc_feature
108 <222> LOCATION: (1)..(23)
109 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
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113 cacaggaaac agctatgacc atg
116 <210> SEQ ID NO: 7
117 <211> LENGTH: 23
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119 <213> ORGANISM: Lambda phage
121 <220> FEATURE:
122 <221> NAME/KEY: misc_feature
123 <222> LOCATION: (1)..(23)
124 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
127 <400> SEQUENCE: 7
128 ggcaatcagt tcatttttcg tca
131 <210> SEQ ID NO: 8
132 <211> LENGTH: 22
133 <212> TYPE: DNA
134 <213> ORGANISM: Lambda phage
136 <220> FEATURE:
137 <221> NAME/KEY: misc_feature

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138 <222> LOCATION: (1)..(22)
139 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
141 <400> SEQUENCE: 8
143 gttttgcagc cgaaatgaca ga                22
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147 <211> LENGTH: 558
148 <212> TYPE: DNA
149 <213> ORGANISM: Escherichia coli
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152 agcttctcga gatgctgtt ctggaaaacc gggtctctca gggcgatatt actgcacccg    60
154 ggggtgctcg cgttttaacg ggtgatcaga ctgccgtctt gcttgattct cttagcgata    120
156 aacctgcaaa aaatattatt ttgctgattg gcgatgggat gggggactcg gaaattactg    180
158 cccacgtaa ttatgcgaa ggtgcgggag gcttttttaa aggtatagat gccttaccgc    240
160 ttacgggga atactcac tatgctga ataaaaaac cggcaaacgc gactacgtca    300
162 ccgactcggc tgcatacga accgcctggt caaccggtgt caaacctat aacggcgcg    360
164 tggcgctga tattcagaa aaagatcacc caacgattct ggaaatggca aaagccgcag    420
166 gtctggcgac cggtaacgtt tctaccgcag agttgcagga tgcacgccc gctgcgctgg    480
168 tggcacatgt gacctcgcg aaatgctacg gtccgagcgc gaccagtga aaatgtccgg    540
170 gtaacgctct ggaaaaag                    558
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175 <212> TYPE: PRT
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
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181 <220> FEATURE:
182 <221> NAME/KEY: BINDING
183 <222> LOCATION: (1)..(8)
184 <223> OTHER INFORMATION: TAG USED TO PURIFY RECOMBINANY PROTEIN
187 <400> SEQUENCE: 10
189 Asp Tyr Lys Asp Asp Asp Asp Lys
190 1      5
193 <210> SEQ ID NO: 11
194 <211> LENGTH: 60
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: forward primer containing T7 promotoer and FLAG octapeptide
desig
200      ned to incorporate these sequences into amplification products
201 <220> FEATURE:
203 <221> NAME/KEY: promoter
204 <222> LOCATION: (1)..(60)
205 <223> OTHER INFORMATION: forward primer containing T7 promotoer and FLAG octapeptide
desig
206      ned to incorporate these sequences into amplification products
209 <400> SEQUENCE: 11
210 gqatactaatac gactcact atagggagaa gggccaccat ggactacaaa gacgatgacg    60
213 <210> SEQ ID NO: 12
214 <211> LENGTH: 60
215 <212> TYPE: DNA

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216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: complimentary sequence to SEQ ID 11 containing cohesive end
to en
220      enhance directional ligation to a gene for amplification
222 <220> FEATURE:
223 <221> NAME/KEY: promoter
224 <222> LOCATION: (1)..(60)
225 <223> OTHER INFORMATION: complimentary sequence to SEQ ID 11 containing cohesive end
to en
226      enhance directional ligation to a gene for amplification
229 <400> SEQUENCE: 12
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234 <211> LENGTH: 50
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: complimentary sequence to SEQ ID 14 containing a cohesive
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242 <220> FEATURE:
243 <221> NAME/KEY: primer_bind
244 <222> LOCATION: (1)..(50)
245 <223> OTHER INFORMATION: complimentary sequence to SEQ ID 14 containing a cohesive
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246      enhance directional ligation to a gene for amplification
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253 <210> SEQ ID NO: 14
254 <211> LENGTH: 46
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: reverse primer containing a stop codon designed to
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260      ese sequences into PCR amplification products
262 <220> FEATURE:
263 <221> NAME/KEY: primer_bind
264 <222> LOCATION: (1)..(46)
265 <223> OTHER INFORMATION: reverse primer containing a stop codon designed to
incorporate th
266      ese sequences into PCR amplification products
269 <400> SEQUENCE: 14
270 aacttttgat tggatgcag tacacgggtg gtcggaacag gattat      46

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VERIFICATION SUMMARY

DATE: 04/08/2002

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Input Set : A:\PTO.VSK.txt

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L:17 M:271 C: Current Filing Date differs. Replaced Current Filing Date